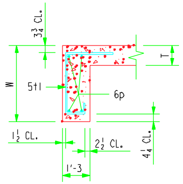
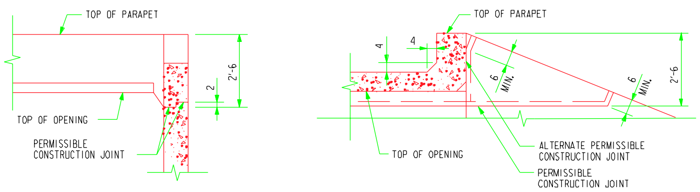
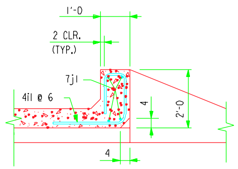


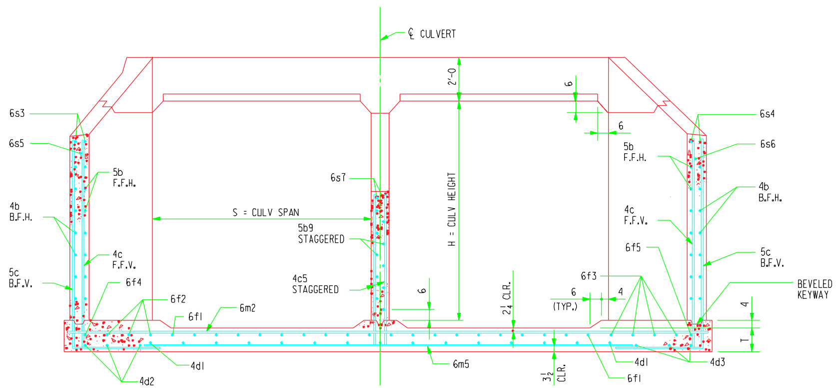
SECTION THRU CURTAIN WALL



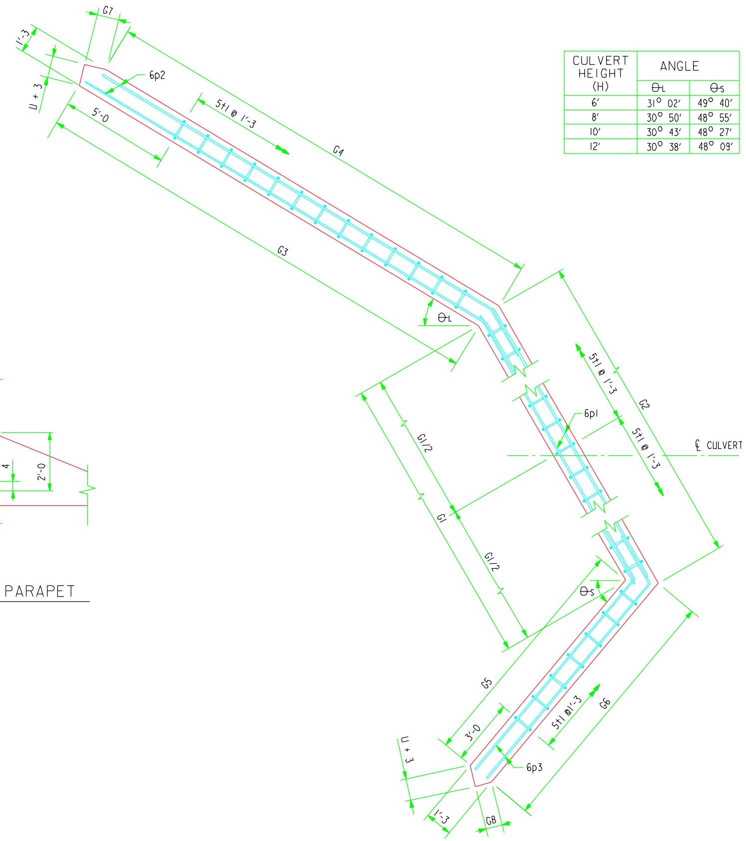
TOP OF WINGWALL DETAILS



SECTION THRU PARAPET



TYPICAL SECTION - NEAR CENTER OF APRON



CULVERT HEIGHT (H)	ANGLE	
	ΘL	ΘS
6'	31° 02'	49° 40'
8'	30° 50'	48° 55'
10'	30° 43'	48° 27'
12'	30° 38'	48° 09'

CURTAIN WALL DETAIL

NOTES:

1. SEE DRAWING TWRCB-GI-87 FOR GENERAL INFORMATION, SPECIFICATIONS, AND DESIGN STRESSES.
2. FOR DIMENSION TABLE SEE DRAWING TWH 30-1-87.

LATEST REVISION DATE : 1-1-98

APPROVED BY : [signature]

STANDARD DESIGN

FLARED WING HEADWALLS

FOR

TWIN REINFORCED CONCRETE BOX CULVERTS

HIGHWAY DIVISION

IOWA DEPARTMENT OF TRANSPORTATION

JULY , 1987

TWH 30-3-87

REVISED 1/98; CLEAR DISTANCE TO 4i1 BAR CHANGED.
REVISED :12/96 ; NOTE CORRECTED, KEYWAY NOTATION CHANGED.
TWH303.S01

XXXXXXXXXXSYSTEMTIME XXXXXXXUSERNAME XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDGNSPEC